# **Aviation Week**

and Space Technology

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Samos, Midas Guidance And Control Systems





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Pioneering in testing of space vehicle components ...including liquid hydrogen fuel tankage systems

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#### **Aviation Week** ... Space Technology

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#### EDITORIAL

#### New Vigor for Space Program

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GAO Criticizes USAF Titan Delay

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#### Thiokol Designs Super Space Booster

By Michael Yellor

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AVERTICAL WIEK, January 16, 1861



# Blue Scout Launches Space Test Payload

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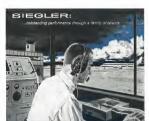
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#### Liberia Falling Behind in Airline Race

By Robert E. Frendl

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New Air Force Douglas Skybolt will extend role of manned aircraft in Space Age defense

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# AIRLINE OBSERVER

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> ner between New York and tale, Rome and African, Greece

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The words are Leoke's. Romember them . . . particularly when

your contribution to distoran—to the patential terror of space aga war chafes at your principles.

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#### AERONAUTICAL ENGINEERING



HSS-2 Combines Sub Hunter-Killer Role



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PUNCHED-TAPE READER

Roads 80 hits ner frame at 6 frames ner second. Scarches at 17 ins. members Married or secretar standard & Sale Sales according to the

Crety only \$1,620 Lo.b. Souta Ana. (Cr \$1,490 for model TP-602 EECO also makes these other punched tape readers for special

Model TRAIN / Leboured monopologies for eighteen one, \$000. Model TF-281A 80-by In-directional preprinters, \$1,760.

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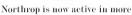






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Convair 990 Undergoes Dynamic Testing
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When you're dealing with temperatures ranging from near an about testing by the reacutacturer. It's fundamental to rehable fluid system sealing, control and regulation

As designers and febricators of that control systems on many of the operational missile programs, Hadley has

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# HIGH **TEMPERATURE**

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#### Air Force's T-39 Sabreliner exceeds design specifications

The T-99 Subrelmer, Air Force's first turn jet utility trainers, betterred its devign speed and range by hard-some mergios in a non-staptent dight over the Western United States. Designed to cruise at 500 right over a range of I T200 riths, the surpriseng T-192 averaged of II reph during an 1820 utility II has it between for an additional hold The Air Force has ordered 94 of the multipurpose aircenft for we as rodar, mengative, and posperfecture; trainers—as well as high-priceity cargo transports. The 7-39 is an aircenfu of exceptional allessand suffity and economy—a compact well and aircenful sufficiently for yet-age aredia. It is being produced by the Lin Amystes Divinias

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THE LOS ANGELES DIVISION OF NORTH AMERICAN AVIATION. INC.



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## MISSILE ENGINEERING



## Special Report Increased Potential Spurs Pluto Research



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## One thing in common...reliable Kellogg Hydraulic Pumos\*

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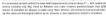
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## ULTRA-CLEAN INCUBATORS FOR M/I\* BALL BEARINGS

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## Pacific Scatter Communication System reliability!

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